and the at least one source of hypochlorite anion to react to produce singlet oxygen.

2. (Amended) The method according to claim 1, wherein the at least one source of peroxide comprises at least one of hydrogen peroxide, alkyl hydroperoxides, or metal peroxides.

3. (Amended) The method according to claim 1, wherein the at least one source of hypochlorite anion comprises at least one of metal hypochlorites or hypochlorous acid.

5. (Amended) The method according to claim 1, wherein the at least one source of hypochlorite anion comprises chlorine dioxide.

6. (Amended) The method according to claim 1, wherein the at least one source of peroxide and the at least one source of hypochlorite anion are administered sequentially.

7. (Amended) The method according to claim 6, wherein the at least one source of peroxide and the at least one source of hypochlorite anion are administered through at least one syringe and at least one needle.

8. (Amended) The method according to claim 1, wherein the at least one source of peroxide and the at least one source of hypochlorite anion are administered simultaneously.

9. (Amended) The method according to claim 8, wherein the at least one source of peroxide and the at least one source of hypochlorite anion are delivered through at least one dual lumen catheter.

12. (Amended) The method according to claim 1, wherein the administering of at least one of the at least one source of peroxide and the at least one source of hypochlorite anion is performed upstream of a blood flow to the target site and the blood

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